

Db 301 SKSGGNDYDNRINFGTGVQHPHSHAVTFVDNHDSPSEALESFVEWPKLAYALTRE 360
Qy 361 QYPSVFGDYGYGTHGVPAKSKIDPILFARQKAYGRQNDYLDHNNIIGWTRGNTA 420
Db 361 QYPSVFGDYGYGTHGVPAKSKIDPILFARQKAYGRQNDYLDHNNIIGWTRGNTA 420
Qy 421 HNSGLATIMSDGAGGKMMFVGRNKAGQVWTDITGNRAGTGTITNADGWNFSVNGGSVS 480
Db 421 HNSGLATIMSDGAGGKMMFVGRNKAGQVWTDITGNRAGTGTITNADGWNFSVNGGSVS 480
Qy 481 IWVWK 485
Db 481 IWVWK 485

RESULT 19
US-08-446-803-2
; Sequence 2, Application US/08446803
; Patent No. 5824531
; GENERAL INFORMATION:
; APPLICANT: Ottrup, Helle
; APPLICANT: Biegaard-Frantzen, Henrik
; APPLICANT: Ostergaard, Peter Rahbek
; APPLICANT: Rasmussen, Michael Dolberg
; APPLICANT: Van Der Zee, Pia
; TITLE OF INVENTION: Alkaline Bacillus Amylase
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 5824531 No. 5824531disk of No. 5824531th America
; STREET: 405 Lexington Avenue
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10174
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,803
; FILING DATE: 01-June-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Harrington, James J.
; REGISTRATION NUMBER: 38,711
; REFERENCE/DOCKET NUMBER: 4157.204-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 867-0123
; TELEFAX: (212) 878-9655
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 485 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-446-803-2

Query Match 90.0%; Score 2437; DB 1; Length 485;
Best Local Similarity 86.8%; Pred. No. 1.1e-201;
Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

Qy 1 HNGTNGTMMQYFHWYLPNDGNHNRRLSDASNLKDGISAVWTPPAWKGASQNDVGYGA 60
Db 1 HNGTNGTMMQYFHWYLPNDGNHNRRLSDASNLKDGISAVWTPPAWKGASQNDVGYGA 60
Qy 61 YDLYLDFGNQKGTIRTKYGTGNOLQAAVNAKNSGIVQYGDVNVNHHKGGADATEMVRV 120
Db 61 YDLYLDFGNQKGTIRTKYGTGNOLQAAVNAKNSGIVQYGDVNVNHHKGGADATEMVRV 120
Qy 121 EWNPNRNRQVSGEYTTIEAWTKFDPGRGNTHSNFKRWYHFDGVDWDQSRKLNRIYKF 180
Db 121 EWNPNRNRQVSGEYTTIEAWTKFDPGRGNTHSNFKRWYHFDGVDWDQSRKLNRIYKF 180

claimed
01-1-9

Db 181 RHGKAWDEVDTEGNGYDYLMTADIDMDHPEVNVNLRNNGWYNTLGLDGRFRIDAVKH 240
Qy 241 IKYSFTRDWINHVRSGTKMMFAVEFWKNDLGAIENTYLNKTNWHSVDFVPLHYNLNA 300
Db 241 IKYSFTRDWINHVRSGTKMMFAVEFWKNDLGAIENTYLNKTNWHSVDFVPLHYNLNA 300
Qy 301 SKSGGNDYDNRQIFNGTGVQHPHSHAVTFVDNHDSPSEALESFVEWPKLAYALTRE 360
Db 301 SKSGGNDYDNRQIFNGTGVQHPHSHAVTFVDNHDSPSEALESFVEWPKLAYALTRE 360
Qy 361 QYPSVFGDYGYGTHGVPAKSKIDPILFARQKAYGRQNDYLDHNNIIGWTRGNTA 420
Db 361 QYPSVFGDYGYGTHGVPAKSKIDPILFARQKAYGRQNDYLDHNNIIGWTRGNTA 420
Qy 421 HNSGLATIMSDGAGGKMMFVGRNKAGQVWTDITGNRAGTGTITNADGWNFSVNGGSVS 480
Db 421 HNSGLATIMSDGAGGKMMFVGRNKAGQVWTDITGNRAGTGTITNADGWNFSVNGGSVS 480
Qy 481 IWVWK 485
Db 481 IWVWK 485

RESULT 18
US-09-441-313-6
; Sequence 6, Application US/09441313
; Patent No. 6887986
; GENERAL INFORMATION:
; APPLICANT: Svendsen, Allan
; APPLICANT: Kjruliff, S ren
; APPLICANT: Biegaard-Frantzen, Henrik
; APPLICANT: Andersen, Carsten
; TITLE OF INVENTION: -Amylase Variants
; FILE REFERENCE: 5709.000-US
; CURRENT APPLICATION NUMBER: US/09/441,313
; CURRENT FILING DATE: 1999-11-16
; EARLIER APPLICATION NUMBER: 09/193,068
; EARLIER FILING DATE: 1998-11-16
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 485
; TYPE: PRT
; ORGANISM: Bacillus sp.
; US-09-441-313-6

Query Match 96.5%; Score 2613; DB 2; Length 485;
Best Local Similarity 95.5%; Pred. No. 7.5e-217;
Matches 463; Conservative 13; Mismatches 9; Indels 0; Gaps 0;

Qy 1 HNGTNGTMMQYFHWYLPNDGNHNRRLSDASNLKDGISAVWTPPAWKGASQNDVGYGA 60
Db 1 HNGTNGTMMQYFHWYLPNDGNHNRRLSDASNLKDGISAVWTPPAWKGASQNDVGYGA 60
Qy 61 YDLYLDFGNQKGTIRTKYGTGNOLQAAVNAKNSGIVQYGDVNVNHHKGGADATEMVRV 120
Db 61 YDLYLDFGNQKGTIRTKYGTGNOLQAAVNAKNSGIVQYGDVNVNHHKGGADATEMVRV 120
Qy 121 EWNPNRNRQVSGEYTTIEAWTKFDPGRGNTHSNFKRWYHFDGVDWDQSRKLNRIYKF 180
Db 121 EWNPNRNRQVSGEYTTIEAWTKFDPGRGNTHSNFKRWYHFDGVDWDQSRKLNRIYKF 180
Qy 181 RGDGKAWDEVDTEGNGYDYLMTADIDMDHPEVNVNLRNNGWYNTLGLDGRFRIDAVKH 240
Db 181 RGDGKAWDEVDTEGNGYDYLMTADIDMDHPEVNVNLRNNGWYNTLGLDGRFRIDAVKH 240
Qy 241 IKYSFTRDWINHVRSGTKMMFAVEFWKNDLGAIENTYLNKTNWHSVDFVPLHYNLNA 300
Db 241 IKYSFTRDWINHVRSGTKMMFAVEFWKNDLGAIENTYLNKTNWHSVDFVPLHYNLNA 300
Qy 301 SKSGGNDYDNRQIFNGTGVQHPHSHAVTFVDNHDSPSEALESFVEWPKLAYALTRE 360
Db 301 SKSGGNDYDNRQIFNGTGVQHPHSHAVTFVDNHDSPSEALESFVEWPKLAYALTRE 360

Db 121 EVNPNRNOEISGDIYIATWTKFDPGKNTSYDFKRWYHFDGVDWDSQSRQFNRIYKF 180
Qy 181 RGDGKWDWEVDYDNGYDYLMDYADIDMDHPEVNVNLRNMGVWYTNLTGLDGFPRIDAVKH 240
Db 181 RGDGKWDWEVDSENGYDYLMDYADIDMDHPEVNVNLRNMGVWYTNLTGLDGFPRIDAVKH 240
Qy 241 IKYSFTDWINHVRATSGKMFVAEFAWKNDLGAENYLNKTNWNSHVSFVDFPLHYNLYNA 300
Db 241 IKYSFTDWINHVRATSGKMFVAEFAWKNDLGAENYLNKTNWNSHVSFVDFPLHYNLYNA 300
Qy 301 SKSGNDYDNGYDYLMDYADIDMDHPEVNVNLRNMGVWYTNLTGLDGFPRIDAVKH 360
Db 301 SKSGNDYDNGYDYLMDYADIDMDHPEVNVNLRNMGVWYTNLTGLDGFPRIDAVKH 360
Qy 361 QGYPVSFYDGYGIPTHGVPAKSKIDPILFARQYAGVGRNDYLDHNNIIGWTRGNTA 420
Db 361 QGYPVSFYDGYGIPTHGVPAKSKIDPILFARQYAGVGRNDYLDHNNIIGWTRGNTA 420
Qy 421 HNSGLATIMSDGAGGKMFVGRNKAQVWTDITGNRAGTVTINADGWNFSVNGGSVS 480
Db 421 HNSGLATIMSDGAGGKMFVGRNKAQVWTDITGNRAGTVTINADGWNFSVNGGSVS 480
Qy 481 IWVWK 485
Db 481 IWVWK 485

RESULT 20

US-08-861-837-2

; Sequence 2, Application US/08861837

; Patent No. 5856164

GENERAL INFORMATION:

; APPLICANT: Orlup, Helle

; APPLICANT: Bisgaard-Frantzen, Henrik

; APPLICANT: Ostergaard, Peter Rahbek

; APPLICANT: Rasmussen, Michael Dolberg

; APPLICANT: Van Der Zee, Pia

; TITLE OF INVENTION: Alkaline Amylase

; NUMBER OF SEQUENCES: 5

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: No. 58561640 No. 5856164disk of No. 5856164th America

; STREET: 405 Lexington Avenue

; CITY: New York

; STATE: New York

; COUNTRY: USA

; ZIP: 10174

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/861,837

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/446,803

; FILING DATE: 01-June-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Harrington, James J.

; REGISTRATION NUMBER: 38,711

; REFERENCE/DOCKET NUMBER: 4157.204-US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 867-0123

; TELEFAX: (212) 878-9655

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 485 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; US-08-861-837-2

Query Match 90.0%; Score 2437; DB 1; Length 485;

Best Local Similarity 86.8%; Pred. No. 1.1e-201;

Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

Qy 1 HNGTNGTMMQYFEWYLPNDGNHNRRLRSASLKDKGISAVWIPPAWKASQNDVGVGA 60
Db 1 HNGTNGTMMQYFEWYLPNDGNHNRRLRSASLKDKGISAVWIPPAWKASQNDVGVGA 60
Qy 61 YLDYLDGEFNQKQITRTKYGTNRNOLQAANVALKSGNQYQYGVVMMHKGADATEMVRV 120
Db 61 YLDYLDGEFNQKQITRTKYGTNRNOLQAANVALKSGNQYQYGVVMMHKGADATEMVRV 120
Qy 121 EVNPNRNOEISGDIYIATWTKFDPGKNTSYDFKRWYHFDGVDWDSQSRQFNRIYKF 180
Db 121 EVNPNRNOEISGDIYIATWTKFDPGKNTSYDFKRWYHFDGVDWDSQSRQFNRIYKF 180
Qy 181 RGDGKWDWEVDYDNGYDYLMDYADIDMDHPEVNVNLRNMGVWYTNLTGLDGFPRIDAVKH 240
Db 181 RGDGKWDWEVDSENGYDYLMDYADIDMDHPEVNVNLRNMGVWYTNLTGLDGFPRIDAVKH 240
Qy 241 IKYSFTDWINHVRATSGKMFVAEFAWKNDLGAENYLNKTNWNSHVSFVDFPLHYNLYNA 300
Db 241 IKYSFTDWINHVRATSGKMFVAEFAWKNDLGAENYLNKTNWNSHVSFVDFPLHYNLYNA 300
Qy 301 SKSGNDYDNGYDYLMDYADIDMDHPEVNVNLRNMGVWYTNLTGLDGFPRIDAVKH 360
Db 301 SKSGNDYDNGYDYLMDYADIDMDHPEVNVNLRNMGVWYTNLTGLDGFPRIDAVKH 360
Qy 361 QGYPVSFYDGYGIPTHGVPAKSKIDPILFARQYAGVGRNDYLDHNNIIGWTRGNTA 420
Db 361 QGYPVSFYDGYGIPTHGVPAKSKIDPILFARQYAGVGRNDYLDHNNIIGWTRGNTA 420
Qy 421 HNSGLATIMSDGAGGKMFVGRNKAQVWTDITGNRAGTVTINADGWNFSVNGGSVS 480
Db 421 HNSGLATIMSDGAGGKMFVGRNKAQVWTDITGNRAGTVTINADGWNFSVNGGSVS 480
Qy 481 IWVWK 485
Db 481 IWVWK 485

RESULT 21

US-08-600-656-2

; Sequence 2, Application US/08600656

; Patent No. 6093562

GENERAL INFORMATION:

; APPLICANT: Bisgaard-Frantzen, Henrik

; APPLICANT: Svendsen, Allan

; APPLICANT: Borchert, Torben Vedel

; TITLE OF INVENTION: AMYLASE VARIANTS

; NUMBER OF SEQUENCES: 32

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: No. 60935620 No. 6093562disk of No. 6093562th America, Inc.

; STREET: 405 Lexington Avenue, Suite 6400

; CITY: New York

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 10174-6401

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25 (EPO)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/600,656

; FILING DATE: 13-FEB-1996

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Lambiris, Elias J.

; REGISTRATION NUMBER: 33,728

; REFERENCE/DOCKET NUMBER: 4318.204-US

; TELECOMMUNICATION INFORMATION:

TELEPHONE: 212 867 0123
TELEFAX: 212 867 0298
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 485 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-600-656-2

Query Match 90.0%; Score 2437; DB 2; Length 485;
Best Local Similarity 86.8%; Pred. No. 1.1e-201;
Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

Qy 1 HHNGTNGTMMQYFEWYLPNDGNHNRRLSDASNLKDGISAVWIPPAWKGSQNDVGGA 60
Db 1 HHNGTNGTMMQYFEWYLPNDGNHNRRLSDASNLKDGISAVWIPPAWKGSQNDVGGA 60
Qy 61 YDLGLGEFNGKGTIRTKYGRNQLQAAVNAKNSGIQVYGVVNMHKGADATENVRV 120
Db 61 YDLGLGEFNGKGTIRTKYGRNQLQAAVNAKNSGIQVYGVVNMHKGADATENVRV 120
Qy 121 EVNPNRNRQVSGEYTIKATKDFPGRGNTHSNFKRWYHFDGVDQSRKLNRIYKF 180
Db 121 EVNPNRNRQVSGEYTIKATKDFPGRGNTHSNFKRWYHFDGVDQSRKLNRIYKF 180
Qy 181 RGDGKGDWEDVTENGNDYLYADIDMDHPEVNVNLRNMGVWYNTLGLDGFPRIDAVKH 240
Db 181 RGDGKGDWEDVTENGNDYLYADIDMDHPEVNVNLRNMGVWYNTLGLDGFPRIDAVKH 240
Qy 241 IKYSFTRDWINHVSATGKMPFAVAFWKNLGAENLYLNKTNHNSVDFVPLHYNLYNA 300
Db 241 IKYSFTRDWINHVSATGKMPFAVAFWKNLGAENLYLNKTNHNSVDFVPLHYNLYNA 300
Qy 301 SKSGGNDYDQVYGIPTGHPVPAKSKIDPILKARQKAYGRNDYLDHNNIIGWTREGNTA 420
Db 301 SKSGGNDYDQVYGIPTGHPVPAKSKIDPILKARQKAYGRNDYLDHNNIIGWTREGNTA 420
Qy 361 QGYPSVFGYDYGIPGTHGVPAKSKIDPILKARQKAYGRNDYLDHNNIIGWTREGNTA 420
Db 361 QGYPSVFGYDYGIPGTHGVPAKSKIDPILKARQKAYGRNDYLDHNNIIGWTREGNTA 420
Qy 421 HPNSGLATIMSDGAGGKMMFVGRNKGAGQVWTDITGNRAGTGTINADGWGNFVNGGVS 480
Db 421 HPNSGLATIMSDGAGGKMMFVGRNKGAGQVWTDITGNRAGTGTINADGWGNFVNGGVS 480
Qy 481 IWYK 485
Db 481 IWYK 485

RESULT 22
US-09-170-670-2
Sequence 2, Application US/09170670
Patent No. 6187576
GENERAL INFORMATION:
APPLICANT: Svendsen, Allan
APPLICANT: Borcherdt, Torben
APPLICANT: Biogard-Frantzen Henrik
TITLE OF INVENTION: Alpha-Amylase Mutants
FILE REFERENCE: 5276.200-US
CURRENT APPLICATION NUMBER: US/09/170,670
CURRENT FILING DATE: 1997-10-13
EARLIER APPLICATION NUMBER: 1172/97
EARLIER FILING DATE: 1997-10-13
EARLIER APPLICATION NUMBER: 60/063,306
EARLIER FILING DATE: 1997-10-28
NUMBER OF SEQ ID NOS: 22
SOFTWARE: Fast-Seq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 485
TYPE: PRT

ORGANISM: Bacillus sp.
US-09-170-670-2

Query Match 90.0%; Score 2437; DB 2; Length 485;
Best Local Similarity 86.8%; Pred. No. 1.1e-201;
Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

Qy 1 HHNGTNGTMMQYFEWYLPNDGNHNRRLSDASNLKDGISAVWIPPAWKGSQNDVGGA 60
Db 1 HHNGTNGTMMQYFEWYLPNDGNHNRRLSDASNLKDGISAVWIPPAWKGSQNDVGGA 60
Qy 61 YDLGLGEFNGKGTIRTKYGRNQLQAAVNAKNSGIQVYGVVNMHKGADATENVRV 120
Db 61 YDLGLGEFNGKGTIRTKYGRNQLQAAVNAKNSGIQVYGVVNMHKGADATENVRV 120
Qy 121 EVNPNRNRQVSGEYTIKATKDFPGRGNTHSNFKRWYHFDGVDQSRKLNRIYKF 180
Db 121 EVNPNRNRQVSGEYTIKATKDFPGRGNTHSNFKRWYHFDGVDQSRKLNRIYKF 180
Qy 181 RGDGKGDWEDVTENGNDYLYADIDMDHPEVNVNLRNMGVWYNTLGLDGFPRIDAVKH 240
Db 181 RGDGKGDWEDVTENGNDYLYADIDMDHPEVNVNLRNMGVWYNTLGLDGFPRIDAVKH 240
Qy 241 IKYSFTRDWINHVSATGKMPFAVAFWKNLGAENLYLNKTNHNSVDFVPLHYNLYNA 300
Db 241 IKYSFTRDWINHVSATGKMPFAVAFWKNLGAENLYLNKTNHNSVDFVPLHYNLYNA 300
Qy 301 SKSGGNDYDQVYGIPTGHPVPAKSKIDPILKARQKAYGRNDYLDHNNIIGWTREGNTA 420
Db 301 SKSGGNDYDQVYGIPTGHPVPAKSKIDPILKARQKAYGRNDYLDHNNIIGWTREGNTA 420
Qy 361 QGYPSVFGYDYGIPGTHGVPAKSKIDPILKARQKAYGRNDYLDHNNIIGWTREGNTA 420
Db 361 QGYPSVFGYDYGIPGTHGVPAKSKIDPILKARQKAYGRNDYLDHNNIIGWTREGNTA 420
Qy 421 HPNSGLATIMSDGAGGKMMFVGRNKGAGQVWTDITGNRAGTGTINADGWGNFVNGGVS 480
Db 421 HPNSGLATIMSDGAGGKMMFVGRNKGAGQVWTDITGNRAGTGTINADGWGNFVNGGVS 480
Qy 481 IWYK 485
Db 481 IWYK 485

RESULT 23
US-09-170-670-8
Sequence 8, Application US/09170670
Patent No. 6187576
GENERAL INFORMATION:
APPLICANT: Svendsen, Allan
APPLICANT: Borcherdt, Torben
APPLICANT: Biogard-Frantzen Henrik
TITLE OF INVENTION: Alpha-Amylase Mutants
FILE REFERENCE: 5276.200-US
CURRENT APPLICATION NUMBER: US/09/170,670
CURRENT FILING DATE: 1998-10-13
EARLIER APPLICATION NUMBER: 1172/97
EARLIER FILING DATE: 1997-10-13
EARLIER APPLICATION NUMBER: 60/063,306
EARLIER FILING DATE: 1997-10-28
NUMBER OF SEQ ID NOS: 22
SOFTWARE: Fast-Seq for Windows Version 3.0
SEQ ID NO 8
LENGTH: 485
TYPE: PRT
ORGANISM: Bacillus sp.
US-09-170-670-8

Query Match 90.0%; Score 2437; DB 2; Length 485;
Best Local Similarity 86.8%; Pred. No. 1.1e-201;
Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

Qy 1 HHNGTNGTMMQYFEWYLPNDGNHNRRLSDASNLKDGISAVWIPPAWKGSQNDVGGA 60

QY 181 RGDGKGDWEVDTENGYDYLWYADIDMDHPEVVNELRNWGVWYNTLTGLDGFPRIDAVKH 240
 Db 181 RGDGKAWDWEVDSSENGYDYLWYADVDMHDHPEVVNELRRWGEWYNTLTNLDFGRIDA VKH 240
 QY 241 IKYSFTRDWLNHVRSAATGKNMFAVAEPFKNDLGAIEYNLKNKNWHSVPDVLPHVNLNA 300
 Db 241 IKYSFTEDWLTVHVNATGKEMFAVAEPFKNDLGALEYNLKNKNWHSVPDVLPHVNLNA 300
 QY 301 SKSGENTDMRQIFNGTIVVQRHPMAHVFVDNHDSPQEEALESFVEEWFKPLAYALTLTRE 360
 Db 301 SNSGNGYDMAKLLNGTVVQKHPMAHVFVDNHDSPQESLESFVQEWFKPLAYALLTRE 360
 QY 361 QGTPSPVFGDYGYGTPHGVPAKSKDPIILEARQKAYGRQNDYLDHNNIIGWTREGNTA 420
 Db 361 QGTPSPVFGDYGYGLPHTSPVPAKAKDPIILEARQNFAYGQCHDYFDHNNIIGWTREGNTI 420
 QY 421 HPNSGLATIMSDGAGGNKMWFCVRNKGQVWTDITGNRAGTVTITNADGNGFNVNGGSVS 480
 Db 421 HPNSGLATIMSDGGGEKMWYVGONKAGQVWHDTIGNKPGTVTITNADGWNANFNVNGGSVS 480
 QY 481 IWVVK 485
 Db 481 IWVKR 485

RESULT 25
 US-09-193-068-8
 ; Sequence 8, Application US/09193068
 ; Patent No. 6197565
 ; GENERAL INFORMATION:
 ; APPLICANT: Svendsen, Allan
 ; APPLICANT: Kjullif, S ren
 ; APPLICANT: Bisgaard-Frantzen, Henrik

RESULT 25
US-09-193-068-8
; Sequence 8, Application US/09193068
; Patent No. 6197565
; GENERAL INFORMATION:

```

: APPLICANT: Svendsen, Allan
: APPLICANT: Kjulliff, S ren
: APPLICANT: Bisgaard-Frantzen, Henrik
: APPLICANT: Andersen, Carsten
: TITLE OF INVENTION: -Amlyase Variants
: FILE REFERENCE: 5709.000-US
: CURRENT APPLICATION NUMBER: US/09/193
: CURRENT FILING DATE: 1998-11-16
: NUMBER OF SEQ ID NOS: 31
: SOFTWARE: FastSeq for Windows Version
: SEQ ID NO 8
: LENGTH: 485
: TYPE: PRT
: ORGANISM: Bacillus sp.
US-09-193-068-8

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Query Match	90.0%;	Score 2437;	DB 2;	Length 485;
Best Local Similarity	86.8%;	Pred. No. 1.1e-201;		
Matches 421;	Conservative 36;	Mismatches 28;	Indels	

Qy	1	HHNGTNGTMOQYFEWYLPNDGNHNNRLRSDASLNKDKGISAVIIPPAWKGASQNDVGYGA	60
Db	1	HHNGTNGTMOQYFEWHLNDGNHNNRLRDDASLNLRGITA.IWIPPAWKGTSONDVGYGA	60
Qy	61	YDLYDLGFEFNQKGTITIKYIGTRNQLOAAVNALKSNGIOYQYGDVVNNHKGADATEMVRVAV	120
Db	61	YDLYDLGFEFNQKGTITIKYIGTRNQLOAAVNALKSNGIOYQYGDVVNNHKGADATENVLAV	120
Qy	121	EVNPNRNRQESGYETIEAWTKFOPGGRNTHSNFPAKFWYHFDGVDQSRKLNRIYKF	180
Db	121	EVNPNRNRQESGYETIEAWTKFOPGGRNTHSNFPAKFWYHFDGVDQSRKLNRIYKF	180
Qy	181	RGDKGMDWEYDTTENGNDYILMYADIDMDHPEVNVNLRNWGYTNTLGLDGFRIDA.VKH	240
Db	181	RGDKGMDWEYDSENGNDYILMYADVDMDHPEVNVNLRNWGEYNTNTLNLDGFRIDA.VKH	240
Qy	241	IKYGFTRDWINHVRSATGKNNPVAEAFWKNDLGAIENTKNNNHVSFYDPLHYNLNA	300
Db	241	IKYGFTRDWLTHVRNATGKENFAVAEAFWKNDLGAENLYNKNNTNNHVSFYDPLHYNLNA	300
Qy	301	SKSGCNDYMRQIFNGTIVVORHPMAHYFTVDNHDQOPEALLESFVEEWPKP.LAYALT.LTRE	360
Db	301	SNSGNDYMAKLANGTVVQKHPMAHYFTVDNHDQOPEALLESFVEEWPKP.LAYALT.LTRE	360

RESULT 24
US-09-193-068-2
Sequence 2, Application US/09193068
Patent No. 6197565

GENERAL INFORMATION:
 APPLICANT: Svendsen, Allan
 APPLICANT: Kjurluff, S ren
 APPLICANT: Bisgaard-Frantzen, Henrik
 APPLICANT: Andersen, Carsten
 TITLE OF INVENTION: Amylase Variants
 FILE REFERENCE: 5709.000-US
 CURRENT APPLICATION NUMBER: US/09/193
 CURRENT FILING DATE: 1998-11-16
 NUMBER OF SEQ ID NOS: 31
 SOFTWARE: FASTSEQ for Windows Version
 SEQ ID NO 2
 LENGTH: 485
 TYPE: PRT
 ORGANISM: Bacillus sp.
 -09-193-068-2

Query Match	90.0%;	Score 2437;	DB 2;	Length 485;
Best Local Similarity	86.8%;	Pred. No. 1.le-201;		
Matches 421;	Conservative	25. Mismatched	20	7-1-1

[illegible]

QY 361 QGYPVFYGDYGIPTGHPVPAKSKIDPILBARQKAYGRQNDYLDHNNIIGWTREGNTA 420
 Db 361 QGYPVFYGDYGIPTGHPVPAKSKIDPILBARQKAYGRQNDYLDHNNIIGWTREGNTA 420
 QY 421 HNSGLATIMSDGAGGKMMFVGRNKAQGVWTDITGNRAGTITINADGWNFSVNGGSYS 480
 Db 421 HNSGLATIMSDGAGGKMMFVGRNKAQGVWTDITGNRAGTITINADGWNFSVNGGSYS 480
 QY 481 IWVVK 485
 Db 481 IWVKR 485

RESULT 26
 US-09-183-412-2
 ; Sequence 2, Application US/09183412
 ; Patent No. 6204322

GENERAL INFORMATION:

APPLICANT: Borchert, Torben V.
 APPLICANT: Svendsen, Allan
 APPLICANT: Andersen, Carsten
 APPLICANT: Nielsen, Bjarne
 APPLICANT: Nissen, Torben L.
 APPLICANT: Kjaerulff, Soren
 TITLE OF INVENTION: Alpha-Amulase Mutants
 FILE REFERENCE: 5368.200-US
 CURRENT APPLICATION NUMBER: US/09/183,412
 CURRENT FILING DATE: 1998-10-30
 EARLIER APPLICATION NUMBER: 60/064,662
 EARLIER FILING DATE: 1997-11-06
 EARLIER APPLICATION NUMBER: 60/093,234
 EARLIER FILING DATE: 1998-07-17
 EARLIER APPLICATION NUMBER: 1240/97
 EARLIER FILING DATE: 1997-10-30
 EARLIER APPLICATION NUMBER: PA 1998 00936
 EARLIER FILING DATE: 1998-07-14
 NUMBER OF SEQ ID NOS: 58
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 2

LENGTH: 485

TYPE: PRT

ORGANISM: Bacillus sp.

US-09-183-412-2

Query Match 90.0%; Score 2437; DB 2; Length 485;
 Best Local Similarity 86.8%; Pred. No. 1.1e-201;
 Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

QY 1 HNGTNGTMMQYFEWYLPNDGNHNNRLSDASNLKDKGISAVWIPPAWKGSQNDVGGA 60
 Db 1 HNGTNGTMMQYFEWYLPNDGNHNNRLSDASNLKDKGISAVWIPPAWKGSQNDVGGA 60
 QY 61 YDLYLGEFNGKGTIRTKYGTNRQLOAVNALKNGIQVYGDVVMNHKGGADATMVRV 120
 Db 61 YDLYLGEFNGKGTIRTKYGTNRQLOAVNALKNGIQVYGDVVMNHKGGADATMVRV 120
 QY 121 EVNPNRNRQSVGEYTIETAWTKFDPGRGNTHSNFKRWYHFDGVDVMDQSKLNNRIYKF 180
 Db 121 EVNPNRNRQSVGEYTIETAWTKFDPGRGNTHSNFKRWYHFDGVDVMDQSKLNNRIYKF 180
 QY 181 RGDGKAWDEVDTEGNGYDYLMTADIMDHPEVVNLRNMGVWYTNLTGLDGFPRIDAVKH 240
 Db 181 RGDGKAWDEVDTEGNGYDYLMTADIMDHPEVVNLRNMGVWYTNLTGLDGFPRIDAVKH 240
 QY 241 IKYSFTDWINHVSATCKMFAVAEFWKNDLGAIENYLNKTNHNSVDFVPLHYNLYNA 300
 Db 241 IKYSFTDWINHVSATCKMFAVAEFWKNDLGAIENYLNKTNHNSVDFVPLHYNLYNA 300
 QY 301 SKSGGNDMROIFNGTIVVQHPMHAFTFVDNHDSDQPEALESFVEEWFKPLAYALITRE 360
 Db 301 SKSGGNDMROIFNGTIVVQHPMHAFTFVDNHDSDQPEALESFVEEWFKPLAYALITRE 360
 QY 361 SNSGNDMAKLNGTVVQHPMHAFTFVDNHDSDQPEALESFVEEWFKPLAYALITRE 360

QY 361 QGYPVFYGDYGIPTGHPVPAKSKIDPILBARQKAYGRQNDYLDHNNIIGWTREGNTA 420
 Db 361 QGYPVFYGDYGIPTGHPVPAKSKIDPILBARQKAYGRQNDYLDHNNIIGWTREGNTA 420
 QY 421 HNSGLATIMSDGAGGKMMFVGRNKAQGVWTDITGNRAGTITINADGWNFSVNGGSYS 480
 Db 421 HNSGLATIMSDGAGGKMMFVGRNKAQGVWTDITGNRAGTITINADGWNFSVNGGSYS 480
 QY 481 IWVVK 485
 Db 481 IWVKR 485

RESULT 27
 US-09-183-412-8
 ; Sequence 8, Application US/09183412
 ; Patent No. 6204232

GENERAL INFORMATION:

APPLICANT: Borchert, Torben V.
 APPLICANT: Svendsen, Allan
 APPLICANT: Andersen, Carsten
 APPLICANT: Nielsen, Bjarne
 APPLICANT: Nissen, Torben L.
 APPLICANT: Kjaerulff, Soren
 TITLE OF INVENTION: Alpha-Amulase Mutants
 FILE REFERENCE: 5368.200-US
 CURRENT APPLICATION NUMBER: US/09/183,412
 CURRENT FILING DATE: 1998-10-30
 EARLIER APPLICATION NUMBER: 60/064,662
 EARLIER FILING DATE: 1997-11-06
 EARLIER APPLICATION NUMBER: 60/093,234
 EARLIER FILING DATE: 1998-07-17
 EARLIER APPLICATION NUMBER: 1240/97
 EARLIER FILING DATE: 1997-10-30
 EARLIER APPLICATION NUMBER: PA 1998 00936
 EARLIER FILING DATE: 1998-07-14
 NUMBER OF SEQ ID NOS: 58
 SOFTWARE: FastSEQ for Windows Version 3.0
 SEQ ID NO 8

LENGTH: 485

TYPE: PRT

ORGANISM: Bacillus sp.

US-09-183-412-8

Query Match 90.0%; Score 2437; DB 2; Length 485;
 Best Local Similarity 86.8%; Pred. No. 1.1e-201;
 Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

QY 1 HNGTNGTMMQYFEWYLPNDGNHNNRLSDASNLKDKGISAVWIPPAWKGSQNDVGGA 60
 Db 1 HNGTNGTMMQYFEWYLPNDGNHNNRLSDASNLKDKGISAVWIPPAWKGSQNDVGGA 60
 QY 61 YDLYLGEFNGKGTIRTKYGTNRQLOAVNALKNGIQVYGDVVMNHKGGADATMVRV 120
 Db 61 YDLYLGEFNGKGTIRTKYGTNRQLOAVNALKNGIQVYGDVVMNHKGGADATMVRV 120
 QY 121 EVNPNRNRQSVGEYTIETAWTKFDPGRGNTHSNFKRWYHFDGVDVMDQSKLNNRIYKF 180
 Db 121 EVNPNRNRQSVGEYTIETAWTKFDPGRGNTHSNFKRWYHFDGVDVMDQSKLNNRIYKF 180
 QY 181 RGDGKAWDEVDTEGNGYDYLMTADIMDHPEVVNLRNMGVWYTNLTGLDGFPRIDAVKH 240
 Db 181 RGDGKAWDEVDTEGNGYDYLMTADIMDHPEVVNLRNMGVWYTNLTGLDGFPRIDAVKH 240
 QY 241 IKYSFTDWINHVSATCKMFAVAEFWKNDLGAIENYLNKTNHNSVDFVPLHYNLYNA 300
 Db 241 IKYSFTDWINHVSATCKMFAVAEFWKNDLGAIENYLNKTNHNSVDFVPLHYNLYNA 300
 QY 301 SKSGGNDMROIFNGTIVVQHPMHAFTFVDNHDSDQPEALESFVEEWFKPLAYALITRE 360
 Db 301 SKSGGNDMROIFNGTIVVQHPMHAFTFVDNHDSDQPEALESFVEEWFKPLAYALITRE 360
 QY 361 QGYPVFYGDYGIPTGHPVPAKSKIDPILBARQKAYGRQNDYLDHNNIIGWTREGNTA 420

Db 361 QGYPSVFTGYDYGIPTHSVPAKAKIDPILFARQNFAYGTQHDYFDHNIIGWREGNTT 420
QY 421 HPNSGLATIMSDGAGNKMVFGRNKGAGOVWTDITGNRAGTGTINADGNGFNSVNGGSVS 480
Db 421 HPNSGLATIMSDGPGGRKMYVQNGKAGOVWHDITGNKPGTGTINADGNGFNSVNGGSVS 480
QY 481 IWVWK 485
Db 481 IWVWK 485
RESULT 28
US-09-264-097-5
; Sequence 5, Application US/09264097
; Patent No. 6287826
; GENERAL INFORMATION:
; APPLICANT: No. 6287826man, Barrie Edmund
; APPLICANT: Hendriksen, Hanne Vang
; TITLE OF INVENTION: Enzymatic Preparation of Glucose Syrup
; FILE REFERENCE: 5278.200-US
; CURRENT APPLICATION NUMBER: US/09/264,097
; CURRENT FILING DATE: 1999-03-08
; EARLIER APPLICATION NUMBER: PA 0321/98
; EARLIER FILING DATE: 1998-03-09
; EARLIER APPLICATION NUMBER: 60/079,209
; EARLIER FILING DATE: 1998-03-24
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 485
; TYPE: PRT
; ORGANISM: Bacillus
US-09-264-097-5

Query Match 90.0%; Score 2437; DB 2; Length 485;
Best Local Similarity 86.8%; Pred. No. 1.1e-201;
Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;
QY 1 HNGTNGTMMQYFWYLPNDGNHNRRLSDASNLKDKGISAVTIPPAWKASQNDVGYGA 60
Db 1 HNGTNGTMMQYFEWHLFNDGNHNRRLSDASNLNRGITAIPPAWKGTSDNDVGYGA 60
QY 61 YDLYLGEFNQKGTIRTKYGTNRQLOAAVNAKSGIQVYGVVNMHKGADATEMVRV 120
Db 61 YDLYLGEFNQKGTIRTKYGTNRQLOAAVNAKSGIQVYGVVNMHKGADATEMVRV 120
QY 121 EVNPNRNRQESVGYTIEAWTKFDPGRGNTHSNFKRWYHFDGVDWQSRKLNRIYKF 180
Db 121 EVNPNRNRQESVGYTIEAWTKFDPGRGNTHSNFKRWYHFDGVDWQSRQFNRIYKF 180
QY 181 RGDGKGDWDEVDTEGNYDYLMAVADIMDHPVNNELRNWGVYNTLTGLDGFRIIDAVKH 240
Db 181 RGDGKGDWDEVDSENGNYDYLMAVADIMDHPVNNELRNWGVYNTLTGLDGFRIIDAVKH 240
QY 241 IKYSPTDWINHVRNATGKMFVAEFAFWKNDLGAENLYLNKTNWHSVDFVPLHYNLNA 300
Db 241 IKYSPTDWINHVRNATGKMFVAEFAFWKNDLGAENLYLNKTNWHSVDFVPLHYNLNA 300
QY 301 SKSGGNYDMRQIFNGTIVVQHPHMAVTFVNDHDSQPEALLESFVEWFKPLAVALTLTRE 360
Db 301 SNSSGNYDMAKLNGTVVQHPHMAVTFVNDHDSQPEALLESFVEWFKPLAVALTLTRE 360
QY 361 QGYPSVFTGYDYGIPTHSVPAKAKIDPILFARQNFAYGTQHDYFDHNIIGWREGNTA 420
Db 361 QGYPSVFTGYDYGIPTHSVPAKAKIDPILFARQNFAYGTQHDYFDHNIIGWREGNTT 420
QY 421 HPNSGLATIMSDGAGNKMVFGRNKGAGOVWTDITGNRAGTGTINADGNGFNSVNGGSVS 480
Db 421 HPNSGLATIMSDGPGGRKMYVQNGKAGOVWHDITGNKPGTGTINADGNGFNSVNGGSVS 480
QY 481 IWVWK 485

Db 481 IWVWK 485
RESULT 29
US-09-354-191A-2
; Sequence 2, Application US/09354191A
; Patent No. 6293498
; GENERAL INFORMATION:
; APPLICANT: Bisgard-Frantzen, Henrik
; APPLICANT: Svendsen, Allan
; APPLICANT: Borcherdt, Torben Vedel
; TITLE OF INVENTION: AMYLASE VARIANTS
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 62970380 No. 6297038disk of No. 6297038th America, Inc.
; STREET: 405 Lexington Avenue, Suite 6400
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/354,191A
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/600,656
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4318.204-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 867 0123
; TELEFAX: 212 867 0298
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 485 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-354-191A-2

Query Match 90.0%; Score 2437; DB 2; Length 485;
Best Local Similarity 86.8%; Pred. No. 1.1e-201;
Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;
QY 1 HNGTNGTMMQYFWYLPNDGNHNRRLSDASNLKDKGISAVTIPPAWKASQNDVGYGA 60
Db 1 HNGTNGTMMQYFEWHLFNDGNHNRRLSDASNLNRGITAIPPAWKGTSDNDVGYGA 60
QY 61 YDLYLGEFNQKGTIRTKYGTNRQLOAAVNAKSGIQVYGVVNMHKGADATEMVRV 120
Db 61 YDLYLGEFNQKGTIRTKYGTNRQLOAAVNAKSGIQVYGVVNMHKGADATEMVRV 120
QY 121 EVNPNRNRQESVGYTIEAWTKFDPGRGNTHSNFKRWYHFDGVDWQSRKLNRIYKF 180
Db 121 EVNPNRNRQESVGYTIEAWTKFDPGRGNTHSNFKRWYHFDGVDWQSRQFNRIYKF 180
QY 181 RGDGKGDWDEVDTEGNYDYLMAVADIMDHPVNNELRNWGVYNTLTGLDGFRIIDAVKH 240
Db 181 RGDGKGDWDEVDSENGNYDYLMAVADIMDHPVNNELRNWGVYNTLTGLDGFRIIDAVKH 240
QY 241 IKYSPTDWINHVRNATGKMFVAEFAFWKNDLGAENLYLNKTNWHSVDFVPLHYNLNA 300
Db 241 IKYSPTDWINHVRNATGKMFVAEFAFWKNDLGAENLYLNKTNWHSVDFVPLHYNLNA 300

RESULT 32
US-09-381-687-3
Sequence 3, Application US/99381687
Patent No. 6486113
GENERAL INFORMATION:
APPLICANT: HATADA, Koji
APPLICANT: IKAWA, Kaori
APPLICANT: ITO, Susumu
APPLICANT: IGARASHI, Kazuaki
APPLICANT: HAGIHARA, Hiroshi
APPLICANT: HAYASHI, Yasuhiro
APPLICANT: ARAKI, Hiroyuki
APPLICANT: OZAKI, Katsuya
TITLE OF INVENTION: MUTANT ALPHA-AMYLASES
FILE REFERENCE: 2173-0115P
CURRENT APPLICATION NUMBER: US/09/381,687
CURRENT FILING DATE: 1999-09-23
NUMBER OF SEQ ID NOS: 25
SOFTWARE: Patentin version 3.0
SEQ ID NO 3
LENGTH: 485
TYPE: PRT
ORGANISM: Bacillus sp.
US-09-381-687-3

Query Match 90.0%; Score 2437; DB 2; Length 485;
Best Local Similarity 86.8%; Pred. No. 1.1e-201;
Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

QY	1	HHNGTNGTMOYFEWYLPNDGNHNRRLSDASNLKDKGISAVWIPPAWKGASQNDVGYCA	60
DB	1	HHNGTNGTMOYFEWYLPNDGNHNRRLSDASNLKDKGISAVWIPPAWKGASQNDVGYCA	60
QY	61	YDLYLGEFNGKQGTIRTKYGRNQLQAAVNAKNSGICQVYGVVNMHKGADATENVRAV	120
DB	61	YDLYLGEFNGKQGTIRTKYGRNQLQAAVNAKNSGICQVYGVVNMHKGADATENVRAV	120
QY	121	EVPNNRNQVSGEYTIETAWTKFDPFGGRNTHSNFKRWYHFDGVDWDQSRQFNRIYKF	180
DB	121	EVPNNRNQVSGEYTIETAWTKFDPFGGRNTHSNFKRWYHFDGVDWDQSRQFNRIYKF	180
QY	181	RGDGKWDWEVDTEGNYDYLADIDMDHPEVNNELRWGNYTNTLGLDGFRIIDAVKH	240
DB	181	RGDGKWDWEVDTEGNYDYLADIDMDHPEVNNELRWGNYTNTLGLDGFRIIDAVKH	240
QY	241	IKYSFTRDWLNHRVSRATGKNMFAVAFWKNLGALENLKNKNHNSVDFVPLHYNLYNA	300
DB	241	IKYSFTRDWLNHRVSRATGKNMFAVAFWKNLGALENLKNKNHNSVDFVPLHYNLYNA	300
QY	301	SKSGNGYDMRQIFNGTVVQRHPMHAFTFVDNHDSPSEALSFVBEWFKPLAYALTRE	360
DB	301	SKSGNGYDMRQIFNGTVVQRHPMHAFTFVDNHDSPSEALSFVBEWFKPLAYALTRE	360
QY	361	QGYPSVFGDYGYGIPTHGVPAKSKIDPILARQKAYAGRONDYLDHNNIIGWTREGNTA	420
DB	361	QGYPSVFGDYGYGIPTHGVPAKSKIDPILARQKAYAGRONDYLDHNNIIGWTREGNTA	420
QY	421	HPNSGLATIMSDGAGNKMVFGRNKAQGVWTDITGNRAGTVTINADGWNFSVNGGVS	480
DB	421	HPNSGLATIMSDGAGNKMVFGRNKAQGVWTDITGNRAGTVTINADGWNFSVNGGVS	480
QY	481	IWNK 485	
DB	481	IWNK 485	

RESULT 33
US-09-545-586-2
Sequence 2, Application US/09545586
Patent No. 6528298
GENERAL INFORMATION:
APPLICANT: Svendsen, Allan

APPLICANT: Borchert, Torben Vedel
APPLICANT: Bisgard-Frantzen Henrik
APPLICANT: Outtrup, Helle
APPLICANT: Nielsen, Bjarne Ronfeldt
APPLICANT: Nielsen, Vibeke Skovgaard
APPLICANT: Hoeck, Lisbeth Hedegaard
TITLE OF INVENTION: No. 6528298el -Amylase And -Amylase Mutants
FILE REFERENCE: 5276.400-US
CURRENT APPLICATION NUMBER: US/09/545,586
CURRENT FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: US/09/290,734
PRIOR FILING DATE: 1999-04-13
NUMBER OF SEQ ID NOS: 35
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 485
TYPE: PRT
ORGANISM: Bacillus sp.
US-09-545-586-2

Query Match 90.0%; Score 2437; DB 2; Length 485;
Best Local Similarity 86.8%; Pred. No. 1.1e-201;
Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

QY	1	HHNGTNGTMOYFEWYLPNDGNHNRRLSDASNLKDKGISAVWIPPAWKGASQNDVGYCA	60
DB	1	HHNGTNGTMOYFEWYLPNDGNHNRRLSDASNLKDKGISAVWIPPAWKGASQNDVGYCA	60
QY	61	YDLYLGEFNGKQGTIRTKYGRNQLQAAVNAKNSGICQVYGVVNMHKGADATENVRAV	120
DB	61	YDLYLGEFNGKQGTIRTKYGRNQLQAAVNAKNSGICQVYGVVNMHKGADATENVRAV	120
QY	121	EVPNNRNQVSGEYTIETAWTKFDPFGGRNTHSNFKRWYHFDGVDWDQSRQFNRIYKF	180
DB	121	EVPNNRNQVSGEYTIETAWTKFDPFGGRNTHSNFKRWYHFDGVDWDQSRQFNRIYKF	180
QY	181	RGDGKWDWEVDTEGNYDYLADIDMDHPEVNNELRWGNYTNTLGLDGFRIIDAVKH	240
DB	181	RGDGKWDWEVDTEGNYDYLADIDMDHPEVNNELRWGNYTNTLGLDGFRIIDAVKH	240
QY	241	IKYSFTRDWLNHRVSRATGKNMFAVAFWKNLGALENLKNKNHNSVDFVPLHYNLYNA	300
DB	241	IKYSFTRDWLNHRVSRATGKNMFAVAFWKNLGALENLKNKNHNSVDFVPLHYNLYNA	300
QY	301	SKSGNGYDMRQIFNGTVVQRHPMHAFTFVDNHDSPSEALSFVBEWFKPLAYALTRE	360
DB	301	SKSGNGYDMRQIFNGTVVQRHPMHAFTFVDNHDSPSEALSFVBEWFKPLAYALTRE	360
QY	361	QGYPSVFGDYGYGIPTHGVPAKSKIDPILARQKAYAGRONDYLDHNNIIGWTREGNTA	420
DB	361	QGYPSVFGDYGYGIPTHGVPAKSKIDPILARQKAYAGRONDYLDHNNIIGWTREGNTA	420
QY	421	HPNSGLATIMSDGAGNKMVFGRNKAQGVWTDITGNRAGTVTINADGWNFSVNGGVS	480
DB	421	HPNSGLATIMSDGAGNKMVFGRNKAQGVWTDITGNRAGTVTINADGWNFSVNGGVS	480
QY	481	IWNK 485	
DB	481	IWNK 485	

RESULT 34
US-09-545-586-8
Sequence 8, Application US/09545586
Patent No. 6528298
GENERAL INFORMATION:
APPLICANT: Svendsen, Allan
APPLICANT: Borchert, Torben Vedel
APPLICANT: Bisgard-Frantzen Henrik
APPLICANT: Outtrup, Helle
APPLICANT: Nielsen, Bjarne Ronfeldt
APPLICANT: Nielsen, Vibeke Skovgaard
APPLICANT: Hoeck, Lisbeth Hedegaard

;; TITLE OF INVENTION: No. 6528298el -Amylase And -Amylase Mutants
;; FILE REFERENCE: 5276.400-US
;; CURRENT APPLICATION NUMBER: US/09/545,586
;; PRIOR FILING DATE: 2000-04-07
;; PRIOR APPLICATION NUMBER: US/09/290,734
;; PRIOR FILING DATE: 1999-04-13
;; NUMBER OF SEQ ID NOS: 35
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 8
;; LENGTH: 485
;; TYPE: PRT
;; ORGANISM: Bacillus sp.
US-09-545-586-8

Query Match
Best Local Similarity 90.0%; Score 2437; DB 2; Length 485;
Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;
Qy 1 HHNGTGTMMQYFEWYLPNDGNHNRRLSDASNLKDKGISAVTTPPAWKASQNDVGYGA 60
Db 1 HHNGTGTMMQYFEWYLPNDGNHNRRLSDASNLKDKGISAVTTPPAWKASQNDVGYGA 60
Qy 61 YDLYDLGEFNQKGTIRTKYGTNRQLQAANALKSNGIQVYGDVVMNHKGADATEMVRV 120
Db 61 YDLYDLGEFNQKGTIRTKYGTNRQLQAANALKSNGIQVYGDVVMNHKGADATEMVRV 120
Qy 121 EVNPNRNQVSGEYTIETAEWTKFDPGRGNTHSNFKRWYTHFGVDVDQSRKLNRIYKF 180
Db 121 EVNPNRNQVSGEYTIETAEWTKFDPGRGNTHSNFKRWYTHFGVDVDQSRKLNRIYKF 180
Qy 181 RGDGKMDWEVDTENGNDYLYADIDMDHPEVVMNLRWGVYTTNLGLDGFRIIDAVKH 240
Db 181 RGDGKMDWEVDTENGNDYLYADIDMDHPEVVMNLRWGVYTTNLGLDGFRIIDAVKH 240
Qy 241 IKYSTROWINHVRSATGKMFVAFWKNLGAJENYLNKTNWHSVDFVPLHYNLYNA 300
Db 241 IKYSTROWINHVRSATGKMFVAFWKNLGAJENYLNKTNWHSVDFVPLHYNLYNA 300
Qy 301 SKSGGNYDMRQIFNGTVVORHPMHAFTVFDNHDSPBEALESFVBEWFKPLAYALTRE 360
Db 301 SKSGGNYDMRQIFNGTVVORHPMHAFTVFDNHDSPBEALESFVBEWFKPLAYALTRE 360
Qy 361 QYPSVFGYDYGIPTHGVPAKSKIDPILBARQKAYGRONDYLDHNIIGWTREGNTA 420
Db 361 QYPSVFGYDYGIPTHGVPAKSKIDPILBARQKAYGRONDYLDHNIIGWTREGNTA 420
Qy 421 HPNSGLATIMSDGAGKMKMFVGRNKAQGVWTDITGNRAGTITINADGWNFSVNGGSVS 480
Db 421 HPNSGLATIMSDGAGKMKMFVGRNKAQGVWTDITGNRAGTITINADGWNFSVNGGSVS 480
Qy 481 IWVWK 485
Db 481 IWVWK 485

RESULT 35
US-09-769-864-2
Sequence 8, Application US/09/769864
Patent No. 6673589
GENERAL INFORMATION:
APPLICANT: Beechert, Torben V.
APPLICANT: Svendsen, Allan
APPLICANT: Andersen, Carsten
APPLICANT: Nielsen, Bjarne
APPLICANT: Nissen, Torben L.
APPLICANT: Kjaerulff, Soren
TITLE OF INVENTION: Alpha-Amylase Mutants
FILE REFERENCE: 5368.200-US
CURRENT APPLICATION NUMBER: US/09/769,864
PRIOR FILING DATE: 2001-01-25
NUMBER OF SEQ ID NOS: 58
US-09-769-864-8

;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 2
;; LENGTH: 485
;; TYPE: PRT
;; ORGANISM: Bacillus sp.
US-09-769-864-2

Query Match
Best Local Similarity 90.0%; Score 2437; DB 2; Length 485;
Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;
Qy 1 HHNGTGTMMQYFEWYLPNDGNHNRRLSDASNLKDKGISAVTTPPAWKASQNDVGYGA 60
Db 1 HHNGTGTMMQYFEWYLPNDGNHNRRLSDASNLKDKGISAVTTPPAWKASQNDVGYGA 60
Qy 61 YDLYDLGEFNQKGTIRTKYGTNRQLQAANALKSNGIQVYGDVVMNHKGADATEMVRV 120
Db 61 YDLYDLGEFNQKGTIRTKYGTNRQLQAANALKSNGIQVYGDVVMNHKGADATEMVRV 120
Qy 121 EVNPNRNQVSGEYTIETAEWTKFDPGRGNTHSNFKRWYTHFGVDVDQSRKLNRIYKF 180
Db 121 EVNPNRNQVSGEYTIETAEWTKFDPGRGNTHSNFKRWYTHFGVDVDQSRKLNRIYKF 180
Qy 181 RGDGKMDWEVDTENGNDYLYADIDMDHPEVVMNLRWGVYTTNLGLDGFRIIDAVKH 240
Db 181 RGDGKMDWEVDTENGNDYLYADIDMDHPEVVMNLRWGVYTTNLGLDGFRIIDAVKH 240
Qy 241 IKYSTROWINHVRSATGKMFVAFWKNLGAJENYLNKTNWHSVDFVPLHYNLYNA 300
Db 241 IKYSTROWINHVRSATGKMFVAFWKNLGAJENYLNKTNWHSVDFVPLHYNLYNA 300
Qy 301 SKSGGNYDMRQIFNGTVVORHPMHAFTVFDNHDSPBEALESFVBEWFKPLAYALTRE 360
Db 301 SKSGGNYDMRQIFNGTVVORHPMHAFTVFDNHDSPBEALESFVBEWFKPLAYALTRE 360
Qy 361 QYPSVFGYDYGIPTHGVPAKSKIDPILBARQKAYGRONDYLDHNIIGWTREGNTA 420
Db 361 QYPSVFGYDYGIPTHGVPAKSKIDPILBARQKAYGRONDYLDHNIIGWTREGNTA 420
Qy 421 HPNSGLATIMSDGAGKMKMFVGRNKAQGVWTDITGNRAGTITINADGWNFSVNGGSVS 480
Db 421 HPNSGLATIMSDGAGKMKMFVGRNKAQGVWTDITGNRAGTITINADGWNFSVNGGSVS 480
Qy 481 IWVWK 485
Db 481 IWVWK 485

RESULT 36
US-09-769-864-8
Sequence 8, Application US/09769864
Patent No. 6673589
GENERAL INFORMATION:
APPLICANT: Beechert, Torben V.
APPLICANT: Svendsen, Allan
APPLICANT: Andersen, Carsten
APPLICANT: Nielsen, Bjarne
APPLICANT: Nissen, Torben L.
APPLICANT: Kjaerulff, Soren
TITLE OF INVENTION: Alpha-Amylase Mutants
FILE REFERENCE: 5368.200-US
CURRENT APPLICATION NUMBER: US/09/769,864
PRIOR FILING DATE: 2001-01-25
NUMBER OF SEQ ID NOS: 58
US-09-769-864-8

Query Match 90.0%; Score 2437; DB 2; Length 485;
 Best Local Similarity 86.8%; Pred. No. 1.1e-201;
 Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

QY 1 HHNGTGTMMQYFEWYLPNDGNHNRRLSDASNLKDGISAVWIPPAWKGASQNDVGGA 60
 DB 1 HHNGTGTMMQYFEWYLPNDGNHNRRLSDASNLKDGISAVWIPPAWKGASQNDVGGA 60
 QY 61 YDLYDLGFEFNGKGTIRTKYTRNQLQAAVNALKSNGIQVYGVVNNHKGADATENVRV 120
 DB 61 YDLYDLGFEFNGKGTIRTKYTRNQLQAAVNALKSNGIQVYGVVNNHKGADATENVRV 120
 QY 121 EVNPNRNRQESGTYTTEAWTKFDPGGRNTHSNFKRWYHFDGVDWDSRKLNNRIYKF 180
 DB 121 EVNPNRNRQESGTYTTEAWTKFDPGGRNTHSNFKRWYHFDGVDWDSRKLNNRIYKF 180
 QY 181 RGDGKADWEVDSENGNYDLYMADIDMDHPEVNNELRWGYYTNTLGLDGFRIIDAVKH 240
 DB 181 RGDGKADWEVDSENGNYDLYMADIDMDHPEVNNELRWGYYTNTLGLDGFRIIDAVKH 240
 QY 241 IKYSTRWDLWTHVRNATGEMFAVAEFWKNDLGAIENYLNKTNWHSVFDVPLHYNLYNA 300
 DB 241 IKYSTRWDLWTHVRNATGEMFAVAEFWKNDLGAIENYLNKTNWHSVFDVPLHYNLYNA 300
 QY 301 SKSGGNYDMRQIFNGTVVORHPHMAVTFVNDHDSQPEALESFVSEWPKLAYALTIRE 360
 DB 301 SKSGGNYDMRQIFNGTVVORHPHMAVTFVNDHDSQPEALESFVSEWPKLAYALTIRE 360
 QY 361 QGYPVFFYDYGIGIPTHGVPAKSKIDPILRQKAYAGRONDYLDHNNIIGWTREGNTA 420
 DB 361 QGYPVFFYDYGIGIPTHGVPAKSKIDPILRQKAYAGRONDYLDHNNIIGWTREGNTA 420
 QY 421 HPNSGLATIMSDGAGNKMVFGRNKAQGVWTDITGNRAGTVTINADGWNFSVNGGSVS 480
 DB 421 HPNSGLATIMSDGAGNKMVFGRNKAQGVWTDITGNRAGTVTINADGWNFSVNGGSVS 480
 QY 481 IWVKN 485
 DB 481 IWVKN 485

RESULT 37

US-10-025-648-2

Sequence 2, Application US/10025648

Patent No. 6867031

GENERAL INFORMATION:

APPLICANT: Biggaard-Frantzen, Henrik

Borchert, Torben Vedel

Svendsen, Allan

TITLE OF INVENTION: AMYLASE VARIANTS

NUMBER OF SEQUENCES: 32

CORRESPONDENCE ADDRESS:

ADDRESS: No. 68670310 No. 68670310 disk of No. 6867031th America, Inc.

STREET: 405 Lexington Avenue, Suite 6400

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.25 (EPO)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/10/025,648

FILING DATE: 19-Dec-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/600,656

FILING DATE: 13-FEB-1996

ATTORNEY/AGENT INFORMATION:

NAME: Lambiris, Elias J.

REGISTRATION NUMBER: 33,728

REFERENCE/DOCKET NUMBER: 4318.204-US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212 867 0123

TELEFAX: 212 867 0298

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 485 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 2:

US-10-025-648-2

Query Match 90.0%; Score 2437; DB 2; Length 485;

Best Local Similarity 86.8%; Pred. No. 1.1e-201;

Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

QY 1 HHNGTGTMMQYFEWYLPNDGNHNRRLSDASNLKDGISAVWIPPAWKGASQNDVGGA 60
 DB 1 HHNGTGTMMQYFEWYLPNDGNHNRRLSDASNLKDGISAVWIPPAWKGASQNDVGGA 60
 QY 61 YDLYDLGFEFNGKGTIRTKYTRNQLQAAVNALKSNGIQVYGVVNNHKGADATENVRV 120
 DB 61 YDLYDLGFEFNGKGTIRTKYTRNQLQAAVNALKSNGIQVYGVVNNHKGADATENVRV 120
 QY 121 EVNPNRNRQESGTYTTEAWTKFDPGGRNTHSNFKRWYHFDGVDWDSRKLNNRIYKF 180
 DB 121 EVNPNRNRQESGTYTTEAWTKFDPGGRNTHSNFKRWYHFDGVDWDSRKLNNRIYKF 180
 QY 181 RGDGKADWEVDSENGNYDLYMADIDMDHPEVNNELRWGYYTNTLGLDGFRIIDAVKH 240
 DB 181 RGDGKADWEVDSENGNYDLYMADIDMDHPEVNNELRWGYYTNTLGLDGFRIIDAVKH 240
 QY 241 IKYSTRWDLWTHVRNATGEMFAVAEFWKNDLGAIENYLNKTNWHSVFDVPLHYNLYNA 300
 DB 241 IKYSTRWDLWTHVRNATGEMFAVAEFWKNDLGAIENYLNKTNWHSVFDVPLHYNLYNA 300
 QY 301 SKSGGNYDMRQIFNGTVVORHPHMAVTFVNDHDSQPEALESFVSEWPKLAYALTIRE 360
 DB 301 SKSGGNYDMRQIFNGTVVORHPHMAVTFVNDHDSQPEALESFVSEWPKLAYALTIRE 360
 QY 361 QGYPVFFYDYGIGIPTHGVPAKSKIDPILRQKAYAGRONDYLDHNNIIGWTREGNTA 420
 DB 361 QGYPVFFYDYGIGIPTHGVPAKSKIDPILRQKAYAGRONDYLDHNNIIGWTREGNTA 420
 QY 421 HPNSGLATIMSDGAGNKMVFGRNKAQGVWTDITGNRAGTVTINADGWNFSVNGGSVS 480
 DB 421 HPNSGLATIMSDGAGNKMVFGRNKAQGVWTDITGNRAGTVTINADGWNFSVNGGSVS 480
 QY 481 IWVKN 485
 DB 481 IWVKN 485

RESULT 38

US-09-441-313-2

Sequence 2, Application US/09441313

Patent No. 6887986

GENERAL INFORMATION:

APPLICANT: Svendsen, Allan

APPLICANT: Kjruliff, S ren

APPLICANT: Bisgaard-Frantzen, Henrik

APPLICANT: Andersen, Carsten

TITLE OF INVENTION: -Amylase Variants

FILE REFERENCE: 5709.000-US

CURRENT APPLICATION NUMBER: US/09/441,313

CURRENT FILING DATE: 1999-11-16

EARLIER APPLICATION NUMBER: 09/193,068

EARLIER FILING DATE: 1998-11-16

NUMBER OF SEQ ID NOS: 31

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 2

; LENGTH: 485
 ; TYPE: PRT
 ; ORGANISM: Bacillus sp.
 US-09-441-313-2

Query Match
 Best Local Similarity 90.0%; Score 2437; DB 2; Length 485;
 Pred. No. 1.1e-201;
 Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

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QY 1 HNGTNGTMQYFEWYLPNDGNHNRRLSDASNLKDKGISAVWIPPAWKASQNDVGGA 60
DB 1 HNGTNGTMQYFEWYLPNDGNHNRRLSDASNLKDKGISAVWIPPAWKASQNDVGGA 60
QY 61 YDLVDLGEFNGKGTIRTKYGTNRNOLQAAVNALKSNGIOVYGVVNNHKGADATEMVR 120
DB 61 YDLVDLGEFNGKGTIRTKYGTNRNOLQAAVNALKSNGIOVYGVVNNHKGADATEMVR 120
QY 121 EVPNPNRNOEVSGETYIEAWTKFDPGRGNTHSNFKRWYHFDGVDWQSRKLNRIYKF 180
DB 121 EVPNPNRNOEVSGETYIEAWTKFDPGRGNTHSNFKRWYHFDGVDWQSRKLNRIYKF 180
QY 181 RGDGKAWDEVDTEGNYDYLKYADIDMDHPEVNNELRWGVTNTLGLDGFRIIDAVKH 240
DB 181 RGDGKAWDEVDTEGNYDYLKYADIDMDHPEVNNELRWGVTNTLGLDGFRIIDAVKH 240
QY 241 IKYSFTRDWLNHVSATGKNMFAVAEFWKNDLGAIENLYNKTNNHNSVDFVPLHYNLYNA 300
DB 241 IKYSFTRDWLNHVSATGKNMFAVAEFWKNDLGAIENLYNKTNNHNSVDFVPLHYNLYNA 300
QY 301 SKSGNNDYMRQIFNGTVVQHPHMAVTFVDNHDSPQEEALESFVBEWFKPLAYALTLTRE 360
DB 301 SKSGNNDYMRQIFNGTVVQHPHMAVTFVDNHDSPQEEALESFVBEWFKPLAYALTLTRE 360
QY 361 QGYPSVFGYDYGIPTHGVPAKSKIDPILKARQYAGRONDYLDHNNIIGWTREGNTA 420
DB 361 QGYPSVFGYDYGIPTHGVPAKSKIDPILKARQYAGRONDYLDHNNIIGWTREGNTA 420
QY 421 HPNSGLATIMSDGAGGNKMFVGRNKGQVWTDITGNRAGTGTINADGNGNPSVNGGSVS 480
DB 421 HPNSGLATIMSDGAGGNKMFVGRNKGQVWTDITGNRAGTGTINADGNGNPSVNGGSVS 480
QY 481 IWVKN 485
DB 481 IWVKN 485
  
```

RESULT 39
 US-09-441-313-8
 ; Sequence 8, Application US/09441313
 ; Patent No. 6887986
 ; GENERAL INFORMATION:
 ; APPLICANT: Swendsen, Allan
 ; APPLICANT: Kjoluff, S ren
 ; APPLICANT: Bisgaard-Frantzen, Henrik
 ; APPLICANT: Andersen, Carsten
 ; TITLE OF INVENTION: -Amylase Variants
 ; FILE REFERENCE: 5709.000-US
 ; CURRENT APPLICATION NUMBER: US/09/441.313
 ; CURRENT FILING DATE: 1999-11-16
 ; EARLIER APPLICATION NUMBER: 09/193.068
 ; EARLIER FILING DATE: 1998-11-16
 ; NUMBER OF SEQ ID NOS: 31
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 8
 ; LENGTH: 485
 ; TYPE: PRT
 ; ORGANISM: Bacillus sp.
 US-09-441-313-8

Query Match
 Best Local Similarity 90.0%; Score 2437; DB 2; Length 485;
 Pred. No. 1.1e-201;
 Matches 421; Conservative 36; Mismatches 28; Indels 0; Gaps 0;

QY 1 HNGTNGTMQYFEWYLPNDGNHNRRLSDASNLKDKGISAVWIPPAWKASQNDVGGA 60
 DB 1 HNGTNGTMQYFEWYLPNDGNHNRRLSDASNLKDKGISAVWIPPAWKASQNDVGGA 60
 QY 61 YDLVDLGEFNGKGTIRTKYGTNRNOLQAAVNALKSNGIOVYGVVNNHKGADATEMVR 120
 DB 61 YDLVDLGEFNGKGTIRTKYGTNRNOLQAAVNALKSNGIOVYGVVNNHKGADATEMVR 120
 QY 121 EVPNPNRNOEVSGETYIEAWTKFDPGRGNTHSNFKRWYHFDGVDWQSRKLNRIYKF 180
 DB 121 EVPNPNRNOEVSGETYIEAWTKFDPGRGNTHSNFKRWYHFDGVDWQSRKLNRIYKF 180
 QY 181 RGDGKAWDEVDTEGNYDYLKYADIDMDHPEVNNELRWGVTNTLGLDGFRIIDAVKH 240
 DB 181 RGDGKAWDEVDTEGNYDYLKYADIDMDHPEVNNELRWGVTNTLGLDGFRIIDAVKH 240
 QY 241 IKYSFTRDWLNHVSATGKNMFAVAEFWKNDLGAIENLYNKTNNHNSVDFVPLHYNLYNA 300
 DB 241 IKYSFTRDWLNHVSATGKNMFAVAEFWKNDLGAIENLYNKTNNHNSVDFVPLHYNLYNA 300
 QY 301 SKSGNNDYMRQIFNGTVVQHPHMAVTFVDNHDSPQEEALESFVBEWFKPLAYALTLTRE 360
 DB 301 SKSGNNDYMRQIFNGTVVQHPHMAVTFVDNHDSPQEEALESFVBEWFKPLAYALTLTRE 360
 QY 361 QGYPSVFGYDYGIPTHGVPAKSKIDPILKARQYAGRONDYLDHNNIIGWTREGNTA 420
 DB 361 QGYPSVFGYDYGIPTHGVPAKSKIDPILKARQYAGRONDYLDHNNIIGWTREGNTA 420
 QY 421 HPNSGLATIMSDGAGGNKMFVGRNKGQVWTDITGNRAGTGTINADGNGNPSVNGGSVS 480
 DB 421 HPNSGLATIMSDGAGGNKMFVGRNKGQVWTDITGNRAGTGTINADGNGNPSVNGGSVS 480
 QY 481 IWVKN 485
 DB 481 IWVKN 485

RESULT 40
 US-08-446-803-1
 ; Sequence 1, Application US/08446803
 ; Patent No. 5824531
 ; GENERAL INFORMATION:
 ; APPLICANT: Otttrup, Helle
 ; APPLICANT: Bisgaard-Frantzen, Henrik
 ; APPLICANT: Ostergaard, Peter Rahbek
 ; APPLICANT: Rasmussen, Michael Dolberg
 ; APPLICANT: Van Der Zee, Pia
 ; TITLE OF INVENTION: Alkaline Bacillus Amylase
 ; NUMBER OF SEQUENCES: 5
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: No. 5824531o No. 5824531disk of No. 5824531th America
 ; STREET: 405 Lexington Avenue
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: USA
 ; ZIP: 10174
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/446,803
 ; FILING DATE: 01-June-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Harrington, James J.
 ; REGISTRATION NUMBER: 38,711
 ; REFERENCE/DOCKET NUMBER: 4157.204-US
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212) 867-0123
 ; TELEFAX: (212) 878-9655
 ; INFORMATION FOR SEQ ID NO: 1: